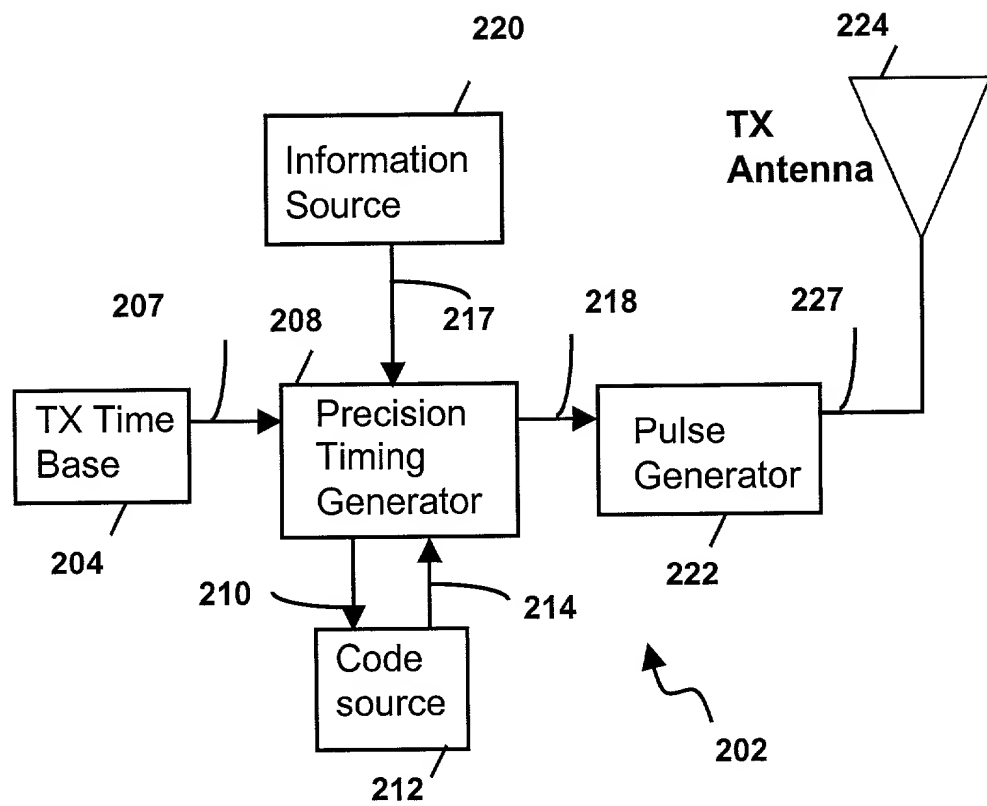


FIG. 1



**FIG. 2**

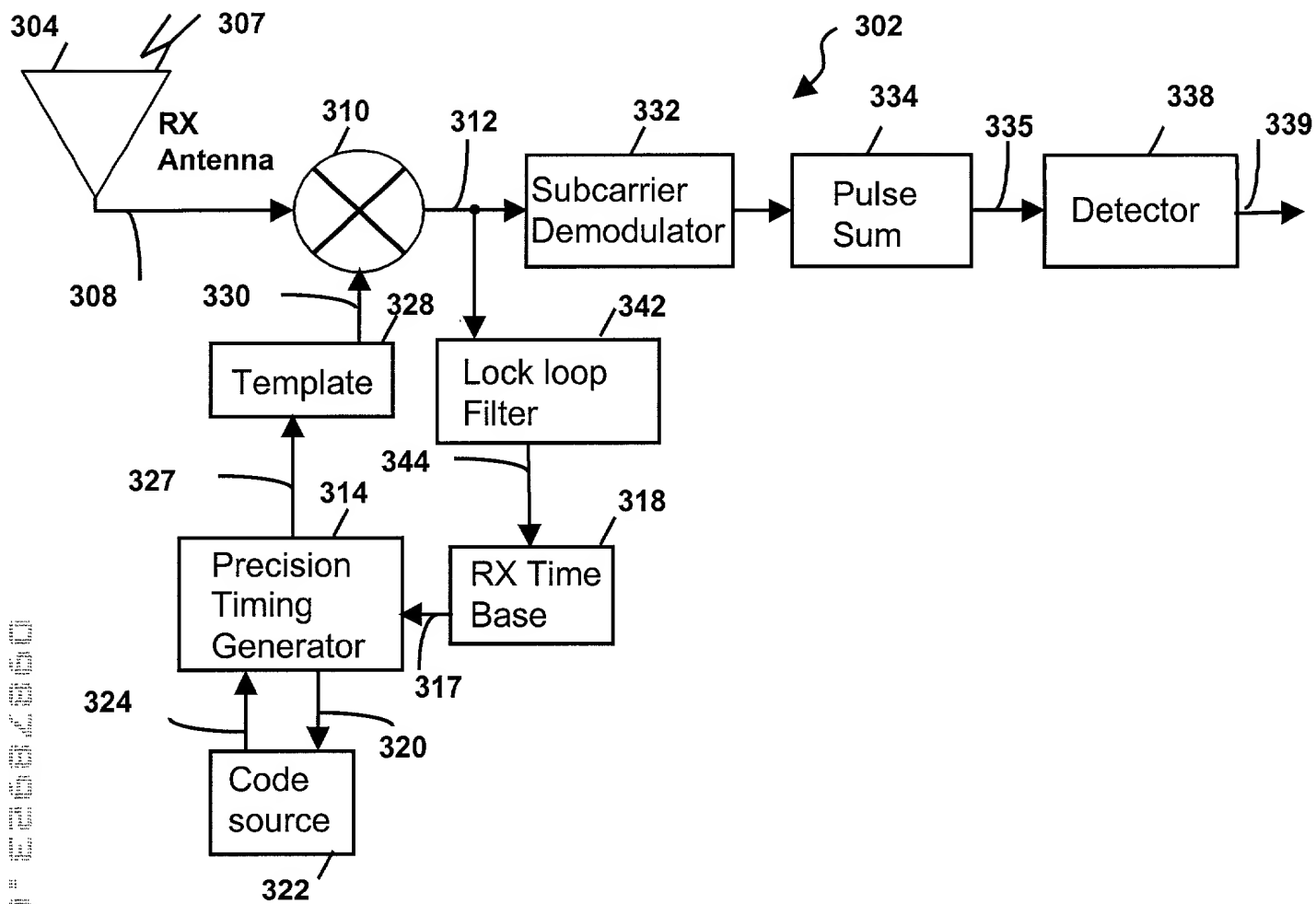


FIG. 3

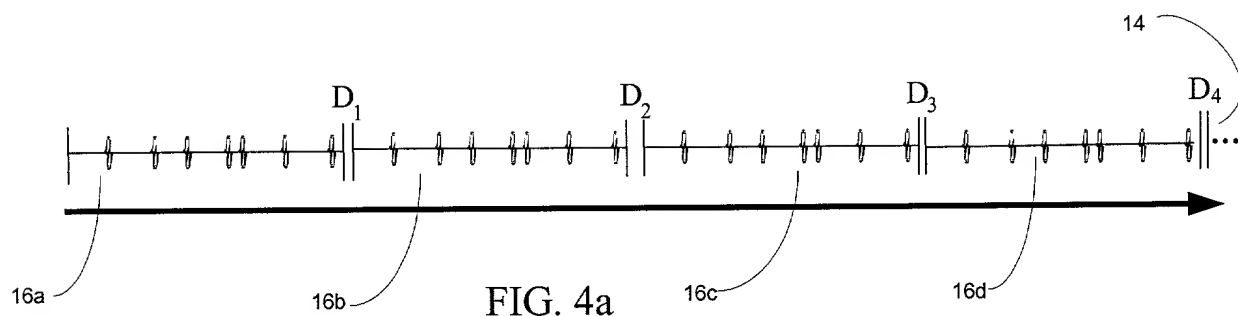


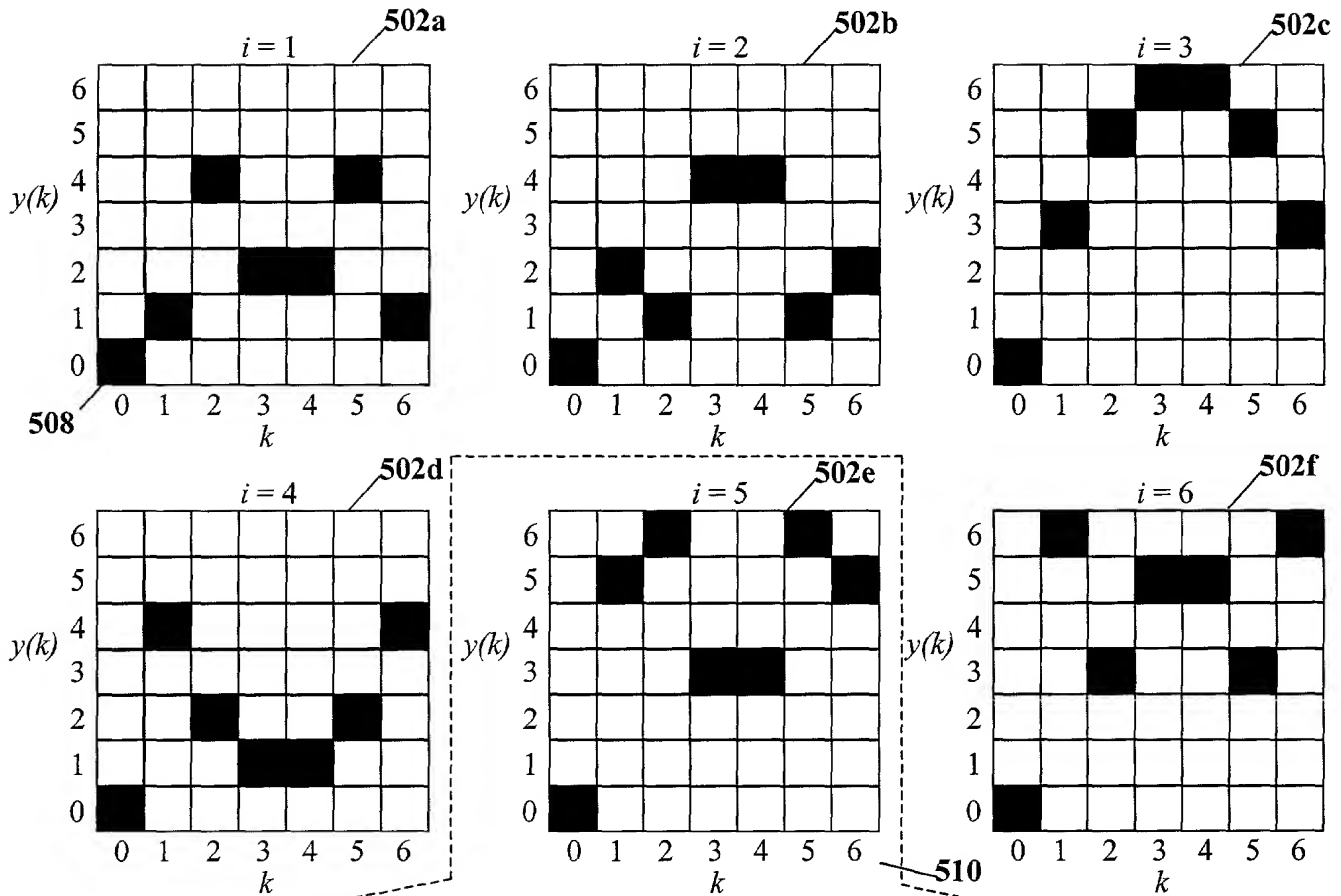
FIG. 4a



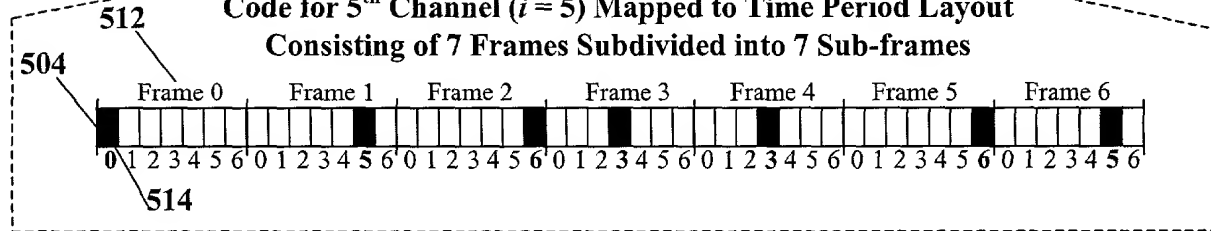
# Quadratic Congruential Codes

$$y(k) = i k^2 \bmod 7$$

506



Code for 5<sup>th</sup> Channel ( $i=5$ ) Mapped to Time Period Layout  
Consisting of 7 Frames Subdivided into 7 Sub-frames



Time Period Layout Repeats Such that Preceding Time Period, Current  
Time Period, and Following Time Period, Etc. are Contiguous

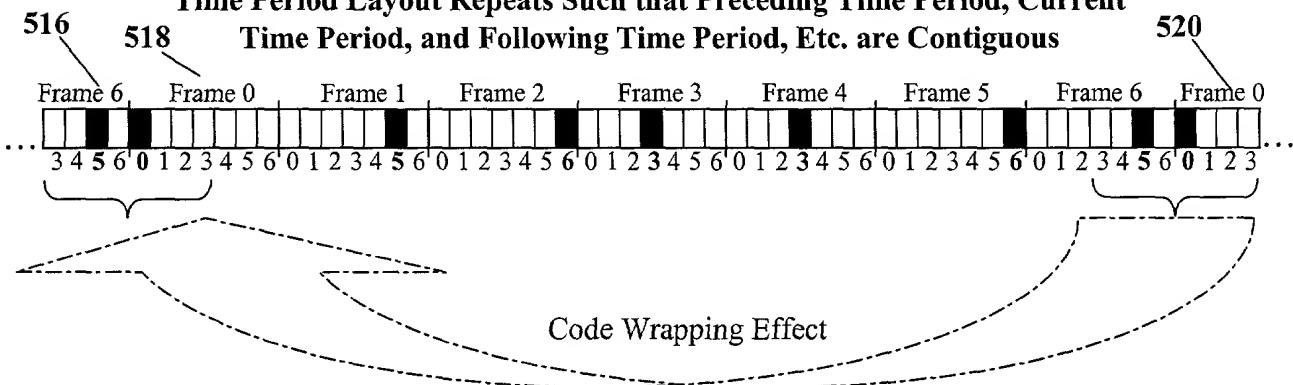


FIG. 5

Cross-correlation of 5<sup>th</sup> and 6<sup>th</sup> Codes (Time Offsets in 1 Subframe Increments)

FIG. 6

604

602

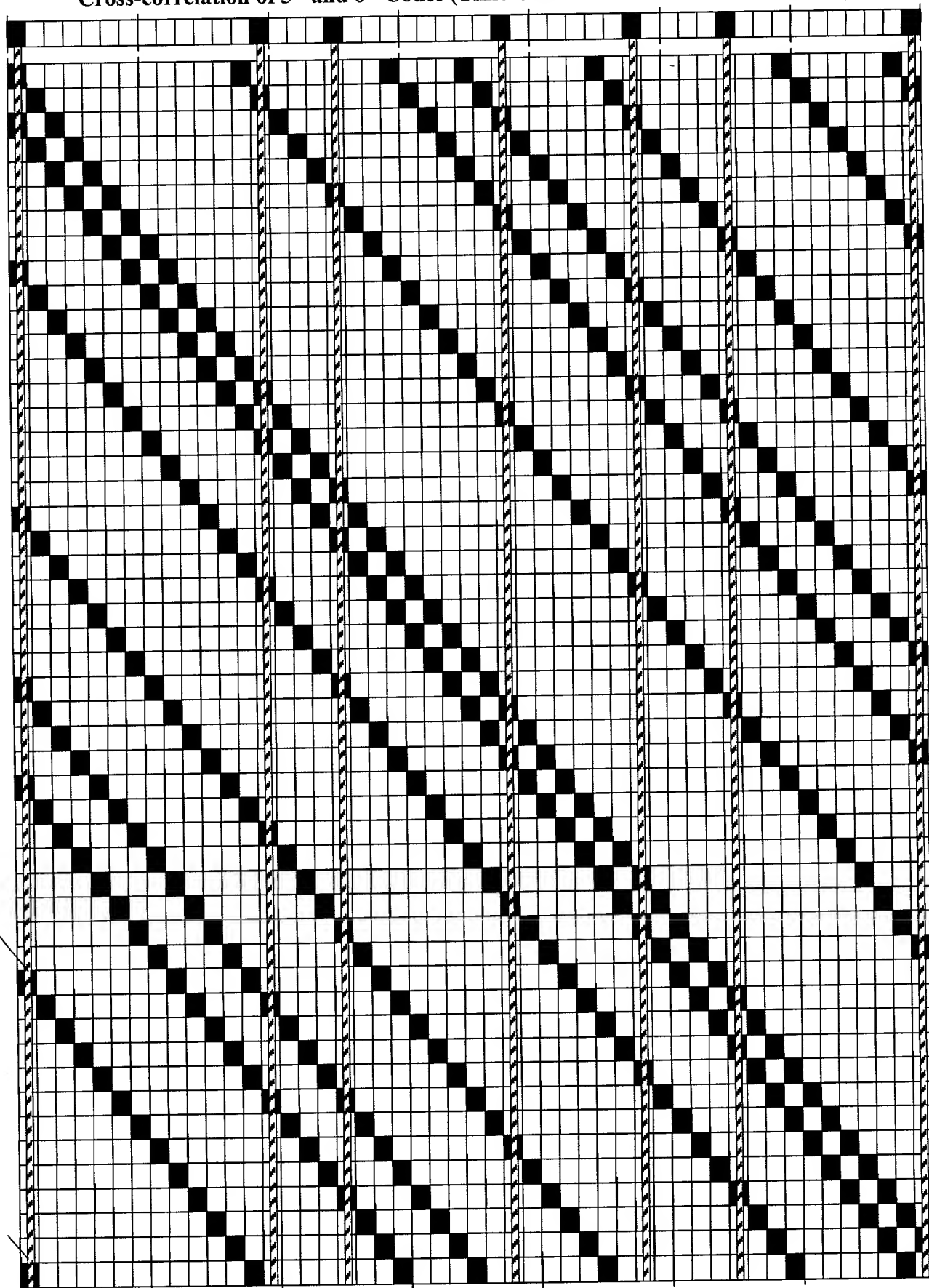


FIG. 6

# Cross-correlation of 5th and 6th Codes

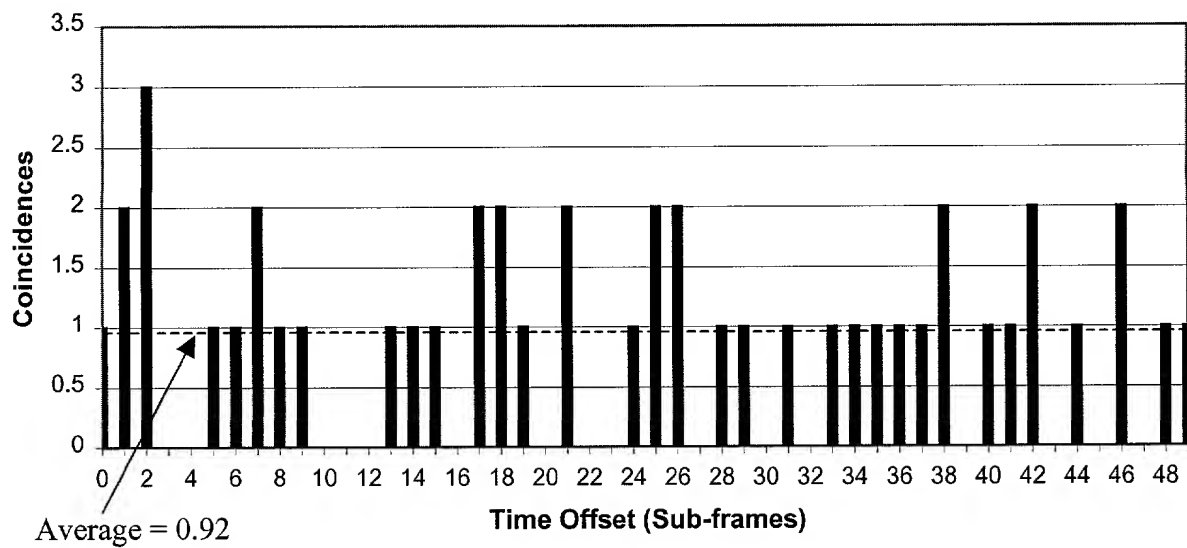
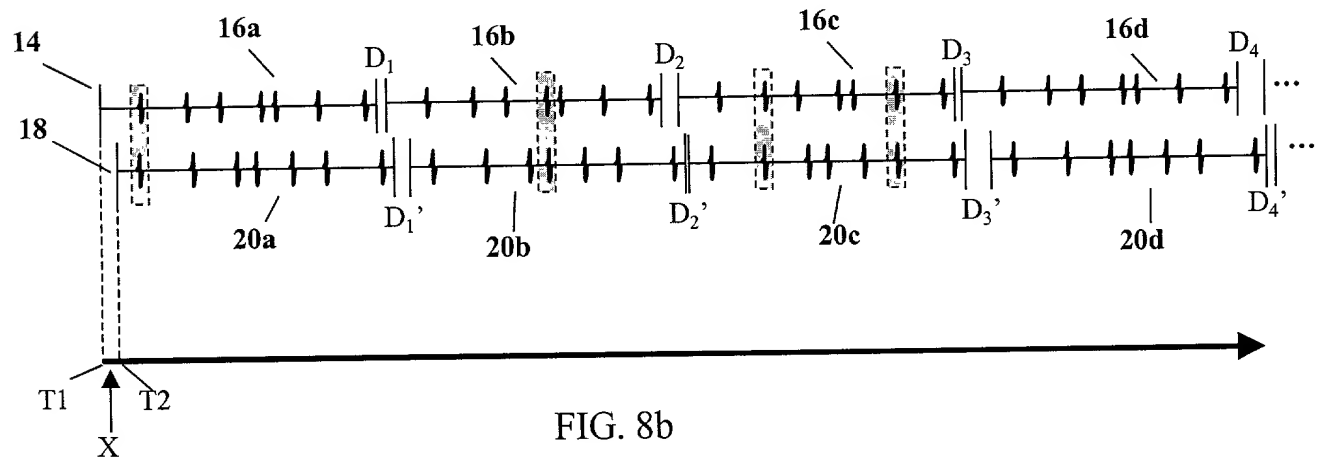
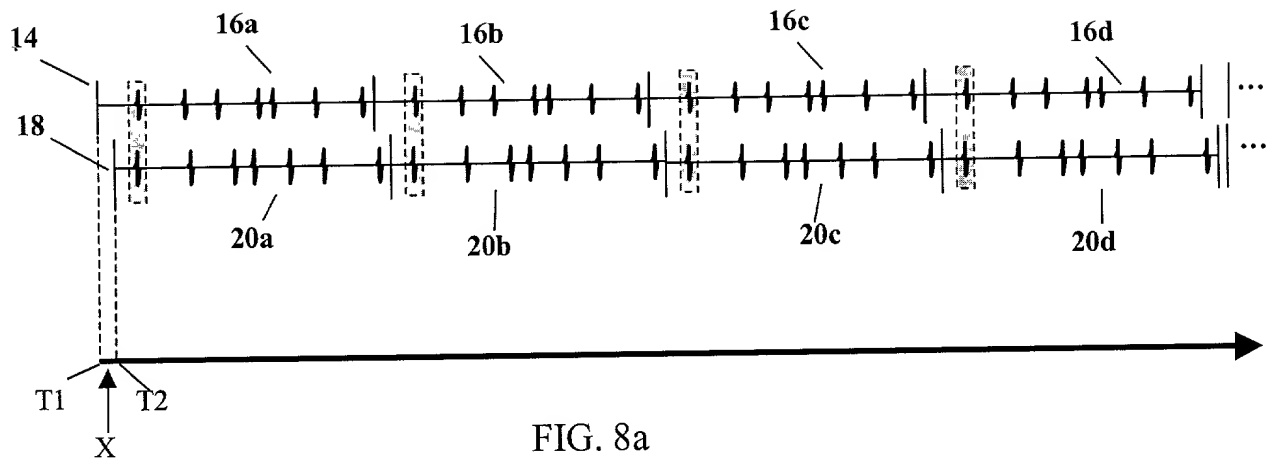


FIG. 7





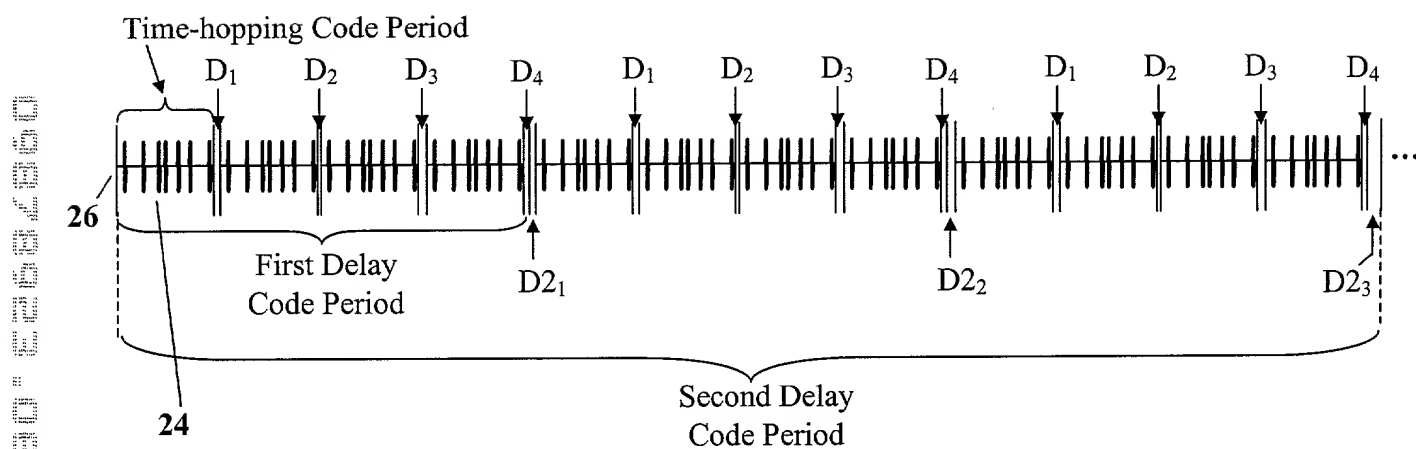


FIG. 9

FIG. 10

